



# Insulate a Gas Domestic Water Heater

Job Aid for Insulate a Water Heater Tank and First Six Feet of Pipes Badge

Aligns With Standard Work Specifications 7.0301.2

## BEFORE YOU BEGIN



Check data plate and warning labels on water heater to find existing insulation level and confirm additional insulation is not prohibited by the manufacturer.



Insulate tank with minimum R-10 or better insulation to achieve the desired R-value, which will be a combination of the existing tank insulation and the newly added insulation.



Carefully wrap the insulation around the water heater, using tape to hold the blanket together.



Tape insulation to the top of the water heater while maintaining a minimum clearance of 6 inches from draft diverter.



Do not obstruct burner access plate or combustion air intake.



Do not obstruct temperature and pressure relief valve.



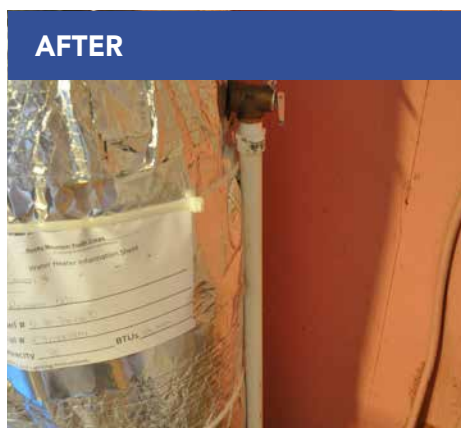
Tape all seams and edges.



Cut flaps at access plates, tape them shut and then label from the exterior.



Secure seams with tie strap, wire, or twine and minimal compression.



A properly insulated water heater safely reduces standby losses.



## Checklist

# Insulate a water heater tank and the first six feet of pipes

## DESIRED OUTCOME

Improved thermal performance of the water heating and delivery system.<sup>1</sup>

- ☐ Water heater storage tank is insulated to achieve overall tank R-value of R-10.<sup>2</sup>
- ☐ Added insulation does not obstruct the unit's:
  - ☐ Draft diverter.
  - ☐ Pressure relief valve.
  - ☐ Thermostats or other controls.
  - ☐ Access plates.
- ☐ The first 6 feet of accessible inlet and outlet pipes are insulated so that coverage is complete and secure.
- ☐ Pipe insulation is correct size.
- ☐ Pipe insulation seams are sealed.

1. Relevant Standards: 7.0301.2

2. If variance request has been approved, replace this with approved figure.

